ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
(A Government of India Enterprise)

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INVITATION TO e-BID UNDER SINGLE TWO BID SYSTEM

Tender No. & Date	**: SGI8624P19 dated 13.07.2018**
Tender Fee	**: INR 1,000.00 *(Non-Refundable)***
Last Date of Sale of Tender Document	**: 09.08.2018 upto 15.30 Hrs.**
Bid Security	**: INR 4,36,960.00**
Bidding Type	**: SINGLE STAGE TWO BID SYSTEM**
Bid Closing on	**: 16.08.2018 at 11.00 Hrs.**
Bid Opening on	**: 16.08.2018 at 14.00 Hrs.**
Bid Validity	**: Bid should be valid for 120 days from bid closing date.**
Bid Bond Validity	**: Bid Bond should be valid upto 16.03.2019.** ***(Bid bond format has been changed. Please submit bid bond as per revised format)***
Performance Guarantee	**: Applicable @ 10% of order value.**
Integrity Pact	**: Applicable**

OIL INDIA LIMITED invites electronic bids from Indigenous bidders under NATIONAL COMPETITIVE BIDDING (NCB) on SINGLE STAGE TWO BID SYSTEM through its e-procurement site for the items detailed below –

Item No.	Item Description	Qty	UoM
10	Generating Set (Assam Sector) (Technical Specification as per Annexure – AA)	8	No
20	Control Panel (Assam Sector) (Technical Specification as per Annexure – AA)	8	No
30	Distribution Panel (Assam Sector) (Technical Specification as per Annexure – AA)	8	No
40	Generating Set (West Bengal Sector) (Technical Specification as per Annexure – AA)	4	No
50	Control Panel (West Bengal Sector) (Technical Specification as per Annexure – AA)	4	No
60	Distribution Panel (West Bengal Sector) (Technical Specification as per Annexure – AA)	4	No
70	Generating Set (Bihar Sector) (Technical Specification as per Annexure – AA)	3	No
80	Control Panel (Bihar Sector) (Technical Specification as per Annexure – AA)	3	No
90	Distribution Panel (Bihar Sector) (Technical Specification as per Annexure – AA)	3	No
100	Installation & Commissioning, Testing and Handing Over of 15 Nos. x 25KVA DG SETS in Assam, West Bengal & Bihar	1	LSM

The general details of tender can be viewed by opening the eRFx [Tender] under RFx and Auctions in the e-portal through Guest Login. The details of tendered items can be found in the Item Data and details uploaded under Technical RFX. The bidding document is available in the Technical RFx -> External Area - > Tender Documents.

STANDARD NOTES:

1.0 The tender will be governed by "General Terms & Conditions for National Tender (National Competitive Bidding)" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005(For e-tenders).

2.0 This Bidding document consists of:

(i)	Annexure AA	: Technical Specification
(ii)	Annexure BB	: Bid Rejection Criteria / Bid Evaluation Criteria
(iii)	Annexure CC	: Commercial Check List
(iv)	Annexure DD	: Price Schedule
(v)	Annexure EE	: Annual Turn Over and Net Worth Certificate
(vi)	Annexure FF:	: Data Sheet
(vii)	Annexure GG	: Addendum to Bid Security and Performance Security Clause

Booklet No. MM/LOCAL/E-01/2005(For e-tenders) have been uploaded separately in the Technical RFx -> External Area - > Tender Documents.

3.0 For obtaining User ID and Password for accessing the tender document and for submission of bids, interested bidders are requested to go for Online Registration. Please visit the url: **https://etender.srm.oilindia.in/ irj/portal** and click on the link 'Supplier Enlistment for E-Tender' for online registration and generation of user id and password. Bidders are advised to apply for user ID and password at least 7(seven) days prior to the last date of tender fee payment for their own interests. User ID's shall be processed within 4(four) days subject to submission of complete information by the bidder. Once the registration is completed user id and password will be assigned to the bidder. The same user id and password may be used for participating in OIL's future tender also.

3.1 After completion of the Online Registration process and receipt of user id and password, bidder may submit the tender fee online (Non-refundable). **Tender fee must be paid online through OIL's payment gateway only and no other instrument (Cash/DD/Cheques/Cashier Cheque, etc) will be acceptable**. Please refer the New Vendor Manual uploaded alongwith the tender and also available in the e-portal page for procedure for submission of tender fee and EMD online. *For bidders having existing user id and password issued by OIL, same may be used for submission of bid after payment of tender fee*. On receipt of requisite tender fee, bidder will be allowed to participate in the tender through OIL's e- Procurement portal. No physical tender documents shall be submitted.

NOTE: ***PSUs and SSI units are provided tender documents Free of Cost (as per Govt. guidelines), however they have to apply to OIL's designated office to issue the tender documents before the last date of sale of tender document mentioned in the tender.***

4.0 Bidder seeking benefits of MSME and Purchase Preference Policy (Linked with Local Content) shall clearly indicate the same in the tender with proper documents as stipulated in the tender.

5.0 Bidders to note that Govt. of India under Micro, Small and Medium Enterprises Development (MSMED) Act 2006, has proclaimed the Public Procurement Policy, 2012 with effect from 1st April, 2012 in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries, Departments and Public Sector Undertakings for promotion and development of Micro and Small Enterprises. A new Clause on applicability of Public Procurement Policy for procurement of goods from Micro and Small Enterprises (MSE) in the tender is furnished vide Annexure – I, Amendment to General Terms & Conditions for National Tender (National Competitive Bidding)" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005(For e-tenders). Bidders are requested to take note of the same and to submit their offers accordingly. **Bidders who are allowed to participate against the tender as MSEs must quote their own products failing which their bids will be rejected.**

6.0 OIL INDIA LIMITED (OIL) has upgraded its E-tender Portal. As part of the new system, the intending bidder must have Encryption Certificate along with Digital Signature Certificate (DSC) of Class III [Organization]. **All the Bids must be Digitally Signed using "Class III" digital certificate (e-commerce application) with 'Certificate Type: Organisation Certificate' as per Indian IT Act obtained from the licensed Certifying Authorities operating under**

the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than "Class 3 with Organisation's Name" digital certificate, will be rejected.

7.0 EMD must be paid either through online mode or submitted as Bank Guarantee/LC. No DD/Cheques/Cashier Cheque or any other mode will be acceptable.

8.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with Tender no. and Due date to **The Deputy General Manager - Materials (PL), Oil India Limited (Pipeline Headquarter), P.O. Udayan Vihar, Guwahati -781171 before 14.00 Hrs. IST on the Bid Closing Date** mentioned in the Tender.

a) Bid Security(EMD) submitted in the form of Bank Guarantee.
b) Detailed Catalogue (if any).
c) Any other document required to be submitted in original as per tender requirement.

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in triplicate.

8.1 OIL has made arrangement for online confirmation of Bank Guarantee through SFMS Platform with Axis Bank, Guwahati. Therefore, bidders submitting Bid Security in the form of Bank Guarantee must route the BG through SFMS platform as per following details –

a. (i) MT 760/MT 760 COV for issuance of bank guarantee
(ii) MT 767/MT 767 COV for amendment of bank guarantee

The above message/intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Guwahati Branch, IFS Code – UTIB0000140, Branch Address – Axis Bank Ltd., Guwahati Branch, Chibber House, G.S. Road, Dispur, Assam, Pin – 781005.

b. The Bidder shall submit to OIL the copy of SFMS message as sent by the issuing bank branch along with the original bank guarantee.

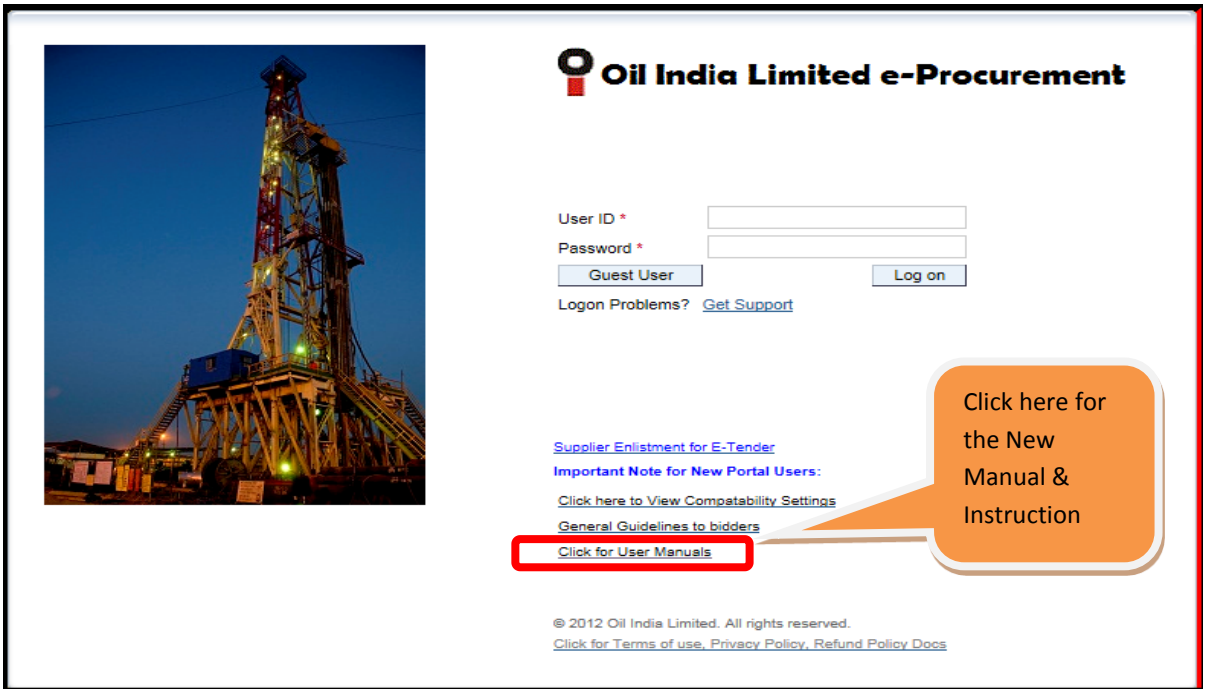
9.0 Bidders are requested to go through **the '*New Vendor Manual*', '*Guidelines to Bidders for participating in OIL e-tenders*', '*New Instruction to bidders for submission of bid*' and '*Vendor User Manual for e-tendering*'** available in the e-portal home page before submitting offer in system.

10.0 The tender is invited under **SINGLE STAGE-TWO BID SYSTEM**. The bidder has to submit both the "TECHNO-COMMERCIAL UNPRICED BID" and "PRICED BID" through electronic form in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The "Techno-commercial Unpriced Bid" shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Price Schedule to be uploaded as attachment in the Attachment Tab "Notes and Attachments". Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.

11.0 In Technical Bid opening, only Technical Rfx will be opened. Therefore, the bidder should ensure that "TECHNO-COMMERCIAL UNPRICED BID should contain details as mentioned in the technical specifications as well as BEC/ BRC and upload the same in the Technical RFx Response-> User - > Technical Bid. No price should be given in above Technical Rfx otherwise the offer will be rejected. Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical RFx Response-> User - > Technical Bid only. The "PRICE BID" must contain the price schedule and the bidder's commercial terms and conditions. Details of prices as per Price Schedule can be uploaded as Attachment under the attachment option under "Notes & Attachments".

Notes and Attachments	➔ **Only price details should be uploaded**
Technical attachments	➔ **All technical bid documents except price details**

Bidders are requested to go through the 'New Vendor Manual', 'Guidelines to Bidders for participating in OIL e-tenders', 'New Instruction to bidders for submission of bid' and 'Vendor User Manual for e-tendering' available in the e-portal home page before submitting offer in system.



12.0 **Priced bids of only those bidders will be opened whose offers are found to be techno-commercially acceptable.**

13.0 Bidders are requested to examine all instructions, forms, terms and specifications in the tender. Failure to furnish all information required as per the tender or submission of offers not substantially responsive to the bid in every respect will be at the bidder's risk and may result in rejection of its offer without seeking any clarifications.

14.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that all documents which are to be submitted in a sealed envelope are also submitted at the address mentioned in note 8.0 above before **14:00 Hrs (IST)** on the bid closing date failing which the offer shall be rejected.

15.0 **Deemed export/Custom Duty benefits are not applicable against this tender and bidders should furnish prices without considering these benefits.**

16.0 Other terms and conditions of the tender shall be as per General Terms & Conditions for National Tender (National Competitive Bidding)" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005(For e-tenders). However, if any of the clause of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) contradicts the clauses in the General Terms & Conditions of the tender and/or elsewhere, those mentioned in the BEC/BRC shall prevail.

17.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer may be summarily rejected.

18.0 **The Integrity Pact is applicable against this tender**. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide **Annexure XII** of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. **The name of the OIL's Independent External Monitors at present are as under:**

SHRI RAGHAW SHARAN PANDEY, IAS (Retd.),
Former Secretary, MOP & NG,
e-Mail ID: rspandey_99@yahoo.com

SHRI RAJIV MATHUR, IPS (Retd.)
Former Director, IB, Govt. of India,
e-Mail ID : rajivmathur23@gmail.com

SHRI JAGMOHAN GARG,
Ex-Vigilance Commissioner, CVC
e-Mail id : jagmohan.garg@gmail.com

19.0 **No press advertisement will be published regarding amendment to Bidding Document or extension of Bid Closing Date. The same will be uploaded in OIL's website and informed to all prospective bidders who have received the bidding documents. Bidders to keep themselves updated.**

Sd-
(M.B. SINGHA)
SR. MANAGER MATERIALS (PL)
FOR GENERAL MANAGER - MATERIALS (PL)
FOR: CHIEF GENERAL MANAGER (PLS)

ANNEXURE – AA

TECHNICAL SPECIFICATIONS

A. 25 KVA DIESEL GENERATOR (DG) SET WITH ACOUSTIC ENCLOSURE

1.0 **Item Description**: CPCB approved 25 KVA Diesel Generator (DG) Set with acoustic enclosure.

2.0 **Scope:**

1) Manufacture, Assembly, pre-dispatch Inspection & Testing & Supply of DG sets with acoustic enclosure as per technical specifications mentioned below.
2) Supply of Air Intake & Exhaust Ducting, Exhaust Silencer Piping.
3) Supply of all accessories for fuel supply & return from existing piping from Diesel Tank.
4) Supply of all electrical cables & earthing connectors from the DG set.
5) Supply of Commissioning spares & two (2) years OEM recommended spares for each DG set.
6) Submission of Documents, Manuals & other records.
7) Safe unloading and delivery of one set at each Repeater Station (as per attached Station list)

3.0 **General Conformity with Statutory Acts, Rules, Standard & Codes**:

1) All components shall conform to relevant Indian Standard Specifications, wherever existing, amended to date. Otherwise, International standards such as ISO, BS, IEC, IP etc. shall be complied, as applicable.
2) OISD standard shall be followed for guidelines on safety, wherever applicable.
3) All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act 2003 and Indian Electricity Rules 1956 as amended up to date.
4) Central Pollution Control Board (CPCB), India rules & norms for Noise Limits, Emission levels & other parameters, as applicable.

4.0 **TECHNICAL SPECIFICATION - RECIPROCATING INTERNAL COMBUSTION ENGINE**:

Diesel Engine, Air cooled, 3 cylinder, vertical inline, 4 Stroke, Compression Ignition, capable of developing net minimum 32 BHP at 1500 RPM. Performance rating as per IS 10000:1980 as amended to date. The engine shall be of standard design of the original manufacturer and suitable for operation in following site condition –

Maximum/ Minimum Temperature : 48/ 05 DEG C
Maximum Humidity at 21 DEG C : 100 %, at 35 DEG C: 95 %, at 41 DEG C: 70 %

The engine shall conform to ISO: 3046 specifications and shall be rated for continuous power with an over load power rating of 110% of the continuous power corresponding to engine application for a period of 1 hr. within a period of 12 hrs. operation.

Specific fuel consumption for the engine shall comply Specific fuel consumption requirement as per IS: 10002:1981 as amended to date and Maximum fuel consumption as follows:

Specific Fuel Consumption(SFC) for direct injection engine is 252 g/Kwh and for indirect injection engine 277 g/Kwh.

4.1 Each engine to be completed with following accessories: -

1) Self-Starter: 12 Volt Electric Starting system with starter motor and other accessories including battery and battery leads. Both the positive and negative terminals of the 12 volts self-starter for starting the engine should be insulated from its body.
2) Lube Oil Systems: A special lube oil system to sustain preferably longer continuous unmanned operations with wider sump design or with additional Lube Oil tank. The lubricating system should comprise of lubricating oil pump, lubricating oil filter with a replaceable paper element, lubricating oil cooler, lubricating oil pan and crankcase breather. The lubricating oil pump shall be a positive displacement type that is integral with the engine.

3) Heavy duty Lubricating Oil Filter with provision for water separation.
4) Lube Oil Pressure Switch.
5) Lube Oil Pressure Gauge or Digital Display in Engine Integrated control panel.
6) Lube Oil Temperature switch.
7) Lube Oil Temperature Gauge or Digital Display in Engine Integrated control panel.
8) Exhaust Temperature Gauge.
9) Engine Tachometer (or may be included in the Engine Integrated control panel)
10) 12 Volts stop solenoid energized to run with auto disconnection of starting coil. Operation voltage of cut-off solenoid shall be 12 volts DC.
11) Heavy duty Dry Type Air cleaner with a vacuum indicator with dry element requiring replacement no more frequently than 500 hours
12) Engine should be supplied without its diesel tank, as in OIL Repeater Station there is a Separate Diesel tank of capacity 12 KL to feed the engine (along with return piping for Leak-off fuel)
13) Protection devices and Alarm indications to be provided in Engine Integrated control panel:

    a) Low Lube Oil Pressure & High Lube Oil Temperature shut down: One no. Low lube oil pressure (LLOP) switch and one no Lube oil temperature (LOT) switch to be incorporated with the engine for protection of low lube oil pressure and high lube oil temperature respectively.
    b) High Cylinder Head Temperature shut down: One no. High Cylinder Temperature (HCT) switch to be provided with the engine for protection of engine cylinder head from excessive temperature.
    c) Over Speed Shut-down.
    d) V-Belt Failure Shut-down.

14) Fuel system: It shall be fed through engine driven fuel pump. Replaceable element Fuel Filter (preferably twin fuel filter arrangement) shall be suitably located to permit easy servicing. Fuel inlet line to the engine shall be having stainless steel flexible connection to take care of vibration/shock, if any, in the system. Any piping modification, new valve & hose required shall be in the scope of the supplier. All such materials shall be of good quality and suitable for use in Oil & Gas Industry.

15) Governor: The engine speed governing system shall be of inbuilt type with the engine with Governor (Preferably WOODWARD make) and related linkages. The engine governor shall be Mechanical / Mechanical-Hydraulic / Electronic Speed Control with EG Electro-Hydraulic actuator or Barber Coleman Equal. Speed drop shall be extremely adjustable from 0 (isochronous) to 10% from no load to full rated load. Steady state frequency regulation shall be + / - 0.5 percent. The engine governing should be in accordance with Class G2 Governing specified in ISO 8528-1: 2005 / Governing Class A2 as per IS:10000-7 (latest version).

16) Absorption type exhaust silencer with exhaust pipe and stainless steel bellow.

17) Hot Air Outlet Ducting: A proper customized arrangement of duct is to be made for discharging accumulated hot air within the canopy to open atmosphere outside the engine room. Ducting shall be made from MS sheet of minimum 1.5 mm thickness with good workmanship & finishing.

18) Cold Air Inlet Ducting: A proper customized arrangement of duct for fresh air suction is to be made using the existing air route of engines at the Repeater Station. Ducting shall be made from MS sheet of minimum 1.5 mm thickness with good workmanship & finishing.

19) Exhaust System: Dry exhaust manifold & heavy duty exhaust pipe to take hot engine exhaust outside the engine room. Suitable residential grade silencer arrangement to reduce noise level is to be incorporated. Exhaust Piping should be installed with appropriate insulation and shielding and to be supported and braced to prevent weight or thermal growth being transferred to the engine and flexible expansion fittings provided to accommodate thermal growth. Exhaust stack height above building height shall conform to required norms (Repeater building height at Stack Side=3.75Mtr).

20) Fan and Belt guarding: The fan, fan drive, and fan belts shall be covered with guarding for personnel protection. Non-sparking guards over belt drives and couplings has become mandatory as per recommendation of OISD (Oil Industry Safety Director) (OISD-STD-127).

21) Dynamically balanced flywheel with guard.

22) Necessary flexible coupling and non-sparking guard for alternator and engine.

23) The bidder shall submit the technical data sheet & catalogue of the engine along with relevant performance rating Curves and following specific data:

i) Gross HP developed at rated RPM
ii) Net HP developed at rated RPM
iii) Maximum fuel consumption in g/Kwh - at 100 %, 75 % & at 50 % Load.

5.0 **TECHNICAL SPECIFICATION - ALTERNATOR**:

1.	Capacity	: 25 KVA brushless
2.	Voltage	: 400/415 V, 50Hz
3.	Phase	: 3(Three) Phase.
4.	Power Factor	: 0.8
5.	RPM	: 1500
6.	Class of Insulation	: Class F/H
7.	Duty	: SI Conforming to IS4722-1968 or IS 13364/4722
8.	Amb. Temperature	: 48 Degree Centrigrade
9.	9. Phase Sequence	: IS 13364 /4722 (UVW-CW)

10. Regulation: The Alternator should have voltage and frequency regulation within ± 2.5% from No load to Full load with a maximum recovery time not more than 3 (three) seconds. The Alternator should build up full voltage instantaneously as soon as the engine attains full RPM (i.e. 1500 RPM)

11. Terminal Box: The terminal box of the Alternator should be suitable for connecting 4x25 sq.mm core Aluminium multi stranded PVCA cable with a detachable cable entry plate. The terminal block should be made of non-hygroscopic materials with good insulating properties and strong enough to withstand the cable load and the temperature generated inside the Generator's control room.

12. Housing and Mounting: The Alternator should be directly coupled with engine and both shall be mounted on a common fabricated channel base frame complete with anti-vibration mountings. Alternator should be provided with single end bearing at the Non-Driving End.

6.0 **TECHNICAL SPECIFICATION - ACOUSTIC ENCLOSURE**:

The generating set comprising of engine coupled with alternator for each set should be placed inside an acoustic enclosure having the following salient features:

i) The acoustic enclosure should be of modular construction with the provision to assemble and disassemble easily at site. There should also be adequate provision of taking out the equipment for maintenance / repairing jobs and reinstalling the same after necessary corrective action.

ii) The engine generator shall be factory enclosed in not less than a 12 gauge cold rolled steel enclosure constructed with corner posts, uprights and headers. The weather- proof and corrosion resistant acoustic enclosure should be duly surface treated, phosphated and finally powder coated for long lasting finish. The sheet metal components should preferably be hot dip, pre-treated before powder coating with special pure polyester based powder.

iii) The sound proofing of the enclosure should be done conforming to CPCB -II norms.

iv) The enclosure must be such that sound level is within permitted limit at 1 meter from the enclosure surface. The exhaust silencer shall be supplied with a flexible, seamless, stainless steel exhaust

connection as well as with all internal pipe works. These components must be properly sized to ensure the operation with minimum back pressure.

v) The canopy should be finished in synthetic enamel paint incorporating rust inhibitors and Aluminium sprayed silencers and spark arrestors to guarantee a superior and long lasting finish.

vi) There should be carefully designed inlet and outlet baffles / attenuators with corresponding weather conditions allowing sufficient air flow, for the set to operate even under the harshest ambient conditions whilst maintaining specified noise levels. Suitably sized blower should be incorporated to meet total air requirement and temperature within the enclosure and Generator house to be maintained.

vii) The temperature inside the enclosure should be suitable for human comfort. There should be a provision of emergency shutdown of the generating set (Prime Mover) from outside the enclosure in addition to the control panel fitted outside the Canopy.

viii) The enclosure should be complete with power and control wiring between control panel installed outside the Genset Enclosure and Alternator and other components like blowers etc. with proper size copper cable. The cables should be terminated using gland and tinned copper sweating sockets and run through guard pipe. The enclosure should have the sufficient space in and around the generating set to facilitate maintenance and operation of the set.

ix) The control panel for the Generating set should be installed separately at existing location of control panel in the Repeater Station.

x) Enclosure Illumination: A separate circuit shall be provided for lighting of the acoustic part of the enclosure.

xi) Enclosure design should be such that for any major maintenance activities the enclosures from any side can be easily dismantled and re-erected.

xii) Generating set comprising of Engine, Alternator and other auxiliaries should be placed inside an acoustic enclosure (approved by ARAI, Pune/ NPL, New Delhi/ NSTL, Visakapatnam/FCRI, Palghat/NAL, Bangalore) and the unit should be mounted to a common base frame. The set should have proper arrangement for easy loading /unloading to facilitate ease in transportation.

xiii) A panel viewing window should be provided to facilitate visual monitoring of the equipment from outside.

xiv) Skid: The skid should be fabricated from sufficiently strong steel section for carrying the generating set from one place to another from time to time.

NOTE: ***Successful bidders have to submit layout drawing of the acoustic enclosure indicating positions of engine, alternator, and control panel etc. along with the wiring diagram of the package and will have to be approved by OIL before execution of the order.***

7.0 **GENERAL NOTES**:

a. **The offer will not be acceptable if the party do not quote for all items of the tender and supply, installation & commissioning of all items and cables**.

b. Any deviation from the tender specification shall be specifically mentioned. Specific type and make of equipment should be mentioned. All the information required as per tender specifications must be submitted.

c. In the event of an order the bidder will submit to OIL within one month of placement of order all documents and drawings as required against each item.

d. The manufacture of the equipment is to be started only after written approval of the required drawings/ documents by OIL as mentioned in tender against all equipments.

e. The bidder will be responsible for safety of its personnel and safety of all the equipment. All the safety gadgets required to carry out the job of installation and commissioning at different sites shall be provided by the bidder.

f. Bidder will be responsible for safe custody of all the items before handing over to OIL.

g. Handing over to OIL means supply, installation and commissioning of all items as per order and submission of all the documents and drawings as per order.

h. The bidder to strictly ensure that all the cut ends of cables, packing materials, leftover items are removed from site after completion of work.

i. No environmental damage shall be done while carrying out the job.

j. All the test reports must be signed by licensed electricians, jointers and supervisors who have carried out the installation and commissioning work as per order.

8.0 **PARTS LIST, INSTRUCTION MANUAL & DRAWING**:

A. The supplier should provide 6(Six) sets each of the manuals and books listed below for each unit:

1. Operating Instructions - with description and illustration of all switchgear controls and indicators and engine and generator controls.

2. Parts Books - that illustrate and list all assemblies, subassemblies and components, except standard fastening hardware (nuts, bolt, washers etc.).

3. Preventive Maintenance Instructions - on the complete system that cover daily, weekly, monthly, biannual, and annual maintenance requirements and include a complete lubrication chart.

4. Routine Test Procedures - for all electronic and electrical circuits, engine fault protection devices and for the main AC generator.

5. Troubleshooting Chart - covering the complete generator set showing description of trouble, probable cause and suggested remedy.

6. Recommended Spare Parts List - showing all consumables anticipated to be required during routine maintenance and test.

7. Engine Wiring Diagram and Schematics - showing function of all electrical components.
8. Drawing showing installation details of the generating set, type of skid, wiring diagram for the control panel and wiring drawing between the alternator, control panel and engine mounted local panel.

9. All panel diagrams and schematic diagrams are to be sent to OIL before supply of order materials.

B. All manuals and books described above shall be contained in rigid plastic pouches and in digital form along with the Genset.

9.0 **SPARES AND SERVICES**:

i) **Necessary Commissioning spares & 2(two) years OEM recommended spares for each DG set shall be supplied with the order**. Commissioning spares required against the requisite items imply all spares and consumables (Including Lube Oil, Coolant etc.) for successful commissioning and trial run of the Gensets till handing over to OIL. **These commissioning spares & consumables shall be provided by the vendor**

"free of cost". If any component requires repairing, calibration & testing during commissioning the cost shall be to vendor's scope.

ii) Two years OEM Recommended Spares/Mandatory Spares shall include as a minimum for each Genset Unit:

(a) For item no. 10, 40 & 70: Spares for Each **Genset (Including Engine & Alternators)**

1	Engine Piston	1 No.
2	Cylinder Liner	1 No.
3	Injector Nozzle Assembly	1 Set
4	Engine Piston Ring Set	1 Set
5	Engine Main Bearing	1 Set
6	Engine Crank End Bearing	1 Set
7	Engine Small End Bush	1 No.
8	Engine Connecting Road	1 No.
9	Engine Cylinder Head Assembly	1 Set
10	Engine Rocker Arm (Set shall contain rocker arm required for 1 cylinder)	1 Set
11	Set of flexible hose pipes (All varieties/types)	1 Set
12	Set of filters (Each kit shall contain fuel filter, lube oil filter, air filter etc.)	2 Kit
13	Kit of Gasket, O-ring & Washer sets	1 Kit
14	Set of Belts	1 Set
15	Automatic Voltage Regulator(AVR)	1 No.
16	Rotating Rectifier Assembly	1 No.
17	Fuel Start/Stop Solenoid	1 No.
18	Control Relay/Contactor of each Type (Each kit shall contain 1 no. of each variety)	1 Kit
19	Fuses of each type (Each kit shall contain 1 no. of each variety)	1 Kit
20	Engine protection switches (Lube oil pressure/lube oil temperature/cylinder temperature/v-belt etc.) kit	1 Kit

Note: ***Bidder shall quote for above list of spares, along with the line item, which shall be taken into consideration during evaluation of price bid. In addition to list of spares mentioned above, bidder may also submit additional list of spares to be maintained as 2(two) years spares with unit price. However, such additional list of spares shall not be considered for evaluation and shall not be included in supply scope.***

(b) For item no. 20, 50 & 80: Spares for each **Control Panel**

1	Battery Charger	1 No.
2	Fuses of each type(Each kit should contain 1 No. of each variety)	1 Kit
3	Control Relay/Contactor of each Type (Each kit should contain 1 no. of each variety	1 Kit
4	Timer Relay of each type	1 No.
5	Voltage Monitor/Voltage Protection Relay	1 No.
6	Frequency Monitor/Frequency Protection Relay	1 No.

Note: ***Bidder shall quote for above list of spares, along with the line item, which shall be taken into consideration during evaluation of price bid. In addition to list of spares mentioned above, bidder may also submit additional list of spares to be maintained as 2(two) years spares with unit price. However, such additional list of spares shall not be considered for evaluation and shall not be included in supply scope.***

(c) For item no. 30, 60 & 90: Spares for each **Distribution Panel**

1	Switch Fuse Unit (SFU)	1 No.

2	ACB/MCCB	1 No.
3	Earth Leakage Relay	1 No.
4	Overload/Overcurrent Relay	1 No.
5	Control Relay/Contactor of each type (Each kit should contain 1 no. of each variety)	1 Kit
6	Fuses of each type (Each kit should contain 1 no. of each variety)	1 Kit

Note: ***Bidder shall quote for above list of spares, along with the line item, which shall be taken into consideration during evaluation of price bid. In addition to list of spares mentioned above, bidder may also submit additional list of spares to be maintained as 2(two) years spares with unit price. However, such additional list of spares shall not be considered for evaluation and shall not be included in supply scope.***

iii) The bidder shall submit written assurance from Engine & Alternator OEM along with the offer in regard to services and availability of all spares for next 10 (Ten) years from the date of commissioning of the Unit.

iv) The manufacturer should have an authorized dealer who can provide factory trained servicemen, the required stock of replaceable parts, technical assistance.

v) **After Sales Service**: **Bidder should indicate the availability of nearest authorised service centre along with the details of infra structural capabilities.**

10.0 DRAWINGS AND MANUALS:

i) Technical literature / catalogue and electrical circuit diagram to be enclosed with the quotation/offer for our necessary scrutiny.

ii) Test certificates to be provided with each Generator Set and these tests to be carried out as per IS specification.

iii) Instruction Manual, Technical literature and electrical circuit diagram along with each Genset are to be supplied.

11.0 **INSPECTION & TESTING**:

Inspection at manufacture's workshop of the Engine and Alternator:

i) **OIL shall witness the testing/inspection of 3(Three) Gensets out of total 15(Fifteen) Gensets, in 3(Three) separate visits**.

ii) Manufacturer's standard tests of the Engine and Alternator shall be witnessed by OIL.

iii) **Cost related to the above inspections i.e. costs of testing & inspection including consumables shall be on account of the Vendor**.

iv) Travel, Accommodation and other costs of OIL's Engineers during the inspection will be borne by OIL.

12.0 **WARRANTY**:

The DG set comprising of Engine & Alternator shall be under warrantee against defective material/ faulty workmanship/ faulty operation for a period of minimum 12(Twelve) months from the date of commissioning.

13.0 **STATUTORY CONFORMANCE**:

i) The offered Generating Sets shall comply with the latest CPCB norms/regulations.

ii) In the event of any new CPCB norms/regulations governing Diesel Engine driven Generating Set are made effective prior to delivery of the Gen Set (but after bid closing date) the supplied Gen Set shall comply with the latest CPCB norms/ regulations.

iii) The compliance report from Govt. approved agencies must be submitted prior to dispatch of the Gen Set for OIL's scrutiny and acceptance.

B. GENERATOR CONTROL PANELS

1.0 **Item Description**: Generator control Panels.

2.0 **Scope:**

Complete Design, Manufacture/Assembly, inspection, testing, packing, loading, transportation, unloading, safe storage of Generator Control Panels as replacement to one of the three existing 25 KVA DG Control Panels at Repeater Stations of OIL.

3.0 **GENERATOR CONTROL PANEL**

OIL's Repeater Stations are unmanned and Control Schematic shall be totally Automatic for starting and loading of the DG sets. The Repeater Station has 1 No. 20 KW Solar Power plant and 3 Nos 25 KVA D.G set. The operational philosophy of the sets shall be as under: -

1. Control design basis will be as per existing control panel scheme of OIL with with modification for solar power control as necessary (refer Diagram-2, pg 1 & 2). Hence, Generator Control Panel must be designed to facilitate the following operations: -

a) DG under Solar Control:
   i) 100% management by Solar Power plant.
   ii) Set will START on Start command from Solar.
   iii) Set will STOP on Stop command from Solar.
   iv) Set will not Start automatically even under Power failure condition.

b) DG under Solar Bypass/DG on Auto mode:
   i) Set will START on failure of running D.G set (Any electrical or engine related fault).
   ii) Set will automatically take the entire load.

c) DG on Manual mode:
   i) Set can be started in manual mode, irrespective of the running condition of other D.G /Solar.
   ii) Manual electrical Loading of the set shall be possible without stopping the running engine (DG electrical Load transfer).

d) DG Auto starting sequence shall be managed using Multifunctional relay(s).

e) Voltage out of band and Frequency out of band faults shall result in an Engine shutdown. In Manual mode this shutdown shall remain bypassed.

f) Alarm indication /reset shall be available for -
   (i) Voltage out of band
   (ii) Frequency out of band
   (iii) Common Engine fault

g) In addition, the panels shall also be fitted with 1 No each Analog Alternator Voltmeter & Alternator Ammeter with selector switches.

h) Smart/Multifunctional Power meters shall be provided for KWH, KW, KVAR, P.F, Phase and Line voltages, Line currents and Frequency. The meter shall have serial link for communication with OIL's SCADA system.

i) Engine Running hour meter.

j) In-built Battery Charger with Auto/Manual Boost/Float charging feature should be incorporated to charge the DG Set Battery. Output D.C voltage, Battery Voltage and charging current indicating instruments are to be provided.

k) Suitable 4 poles MCCB with Adjustable Thermal-Magnet Release along with Switch-Disconnector Fuses of suitable rating & type shall be provided in the panel for incoming Power from Alternator.

l) The outgoing power from the Generator Control Panel to Distribution Panel shall be through Suitable Power Contactor.

m) Control Panel wiring: Both control & power interconnection wirings shall be done with copper flexible PVC wires (ISI Marked & 1100 Volt grade) with accepted colour codes. The control wiring shall be of minimum 2.5 sq mm stranded.

n) Incoming power cable from Alternator to Control Panel shall be of suitable size PVC insulated, PVC sheathed, armoured Aluminium Cable with ISI mark & 1100 Volt grade. This shall be in Bidder's scope of work.

o) The panel board must be built by M.S. Sheet of suitable gauge, floor mounted type, IP-44, with load bearing member, doors, partitions, covers, equipment mounting plate & removable gland plate, painted with texture finish electro-static paint (Powder Coating) with paint thickness 80(+) (-)20 microns.

p) The test certificate as per relevant IS standards for the individual panel shall be submitted with the panel along with test certificates for all major individual components of panel as applicable.

q) The Bidder shall study our existing system carefully during bidding & execution.

r) The vendor shall have the Control Panel Schematic approved by OIL prior to manufacturer. All equipment shall be as per OIL approved makes only.

4.0 INSPECTION:

a) The Company shall as it may deem fit depute their Engineer/ Inspector to carryout factory inspection and test the equipment when the panels are manufactured/ assembled before their dispatch, for confirmation of the technical specifications by the bidder. Travel, Accommodation and other costs of OIL's Engineers during the inspection will be borne by OIL.

b) The Company also has the right to inspect raw materials, components, accessories etc. including facility available with Contractor to carry out these jobs.

c) For all electronics components, the items should be designed/suitable for a temperature of 50ºC.

d) Manufacturer's certificates in triplicate to be submitted to OIL for all equipment/ instruments.

e) On completion of the work, tests are to be carried out before commissioning. All test certificates in triplicate should be handed over to OIL.

5.0 DRAWINGS AND MANUALS:

Bidder must hand over six sets of final as built drawing of each of the following: -

a) Installation details.
b) Wiring diagram for the control panel (inclusive of float charger).
c) Wiring drawing between the alternator, control panel and local engine mounted panel.

C. DISTRIBUTION PANEL

1.0 SCOPE OF WORK:

Complete Design, Manufacture/Assembly, inspection, testing packing, loading, transportation, unloading, safe storage of Distribution Panels as replacement to existing 25 KVA DG Set distribution panels at Repeater Stations of OIL.

2.0 **Distribution Panel**:

1) Panel wiring: Both control & power interconnection wirings shall be done with copper flexible PVC wires (ISI Marked & 1100 Volt grade) with accepted colour codes. The control wiring shall be of minimum 2.5 sq. mm stranded.

2) The panel board should house the following:

a) TPN Copper Insulated Bus Bars of suitable size & mountings with connections & spare 3 blank holes in each bus.

b) 4 Nos Electrical & mechanically interlocked TPN Power Contactors as shown in the Diagram-2 (pg. 1 and 2) for Load Transfer.

c) Incomer: 3 Nos x 63 Amp TPN Switch Disconnector Fuse units.

d) Outgoing:
- 2 Nos x.63 Amp TPN MCCB
- 6 Nos x 32 Amp TPN MCB
- 6 Nos x 10 Amp TPN MCB
- 4 Nos x 04 Amp TPN MCB
- 2 Nos x 1.2 KW, TPN, DOL starter for moterised valve open/close operation complete with OPEN & CLOSE LED indication
- 3 Nos x 9 Amps, TPN contactor, with ON LED indication

e) Smart/Multifunctional Power meters for measuring the total load shall be provided. Parameter display shall include KWH, KW, KVAR, P.F, Phase and Line voltages, Line currents and Frequency. The meter shall have serial link for communication with OIL's SCADA system.

f) LED Phase Indication - 3 nos.

g) The panel board must be built by M.S Sheet of suitable gauge, floor mounted type, IP-44, with load bearing member, doors, partitions, covers, equipment mounting plate & removable gland plate, painted with texture finish electro-static paint (Powder Coating) with paint thickness 80(+) (-)20 microns.

h) Panel wiring: Both control & power interconnection wirings shall be done with copper PVC wires (ISI Marked & 1100-volt grade) with accepted colour codes. The control wiring shall be of minimum 2.5 sq. mm stranded.

i) Incoming power cable to the new distribution panel from the new control panel shall be of suitable size PVC insulated, PVC sheathed, armoured ALUMINIUM CABLE with ISI mark & 1100-volt grade. This shall be in Bidder's scope of work.

j) Construction, testing etc. and earthing shall be same as described for Generator Control Panels.

k) Terminal strip for termination of incoming and outgoing power cable shall be provided at the bottom of the DB panel.

l) The test certificate as per relevant IS standards for the individual panel shall be submitted with the panel along with test certificates for all major individual components of panel as applicable.

m) The Bidder shall study our existing system carefully during bidding & execution.

n) The vendor shall have the Panel Schematic approved by OIL prior to manufacturer. All equipment shall be as per OIL approved makes only.

o) The supplier shall supply mandatory & critical spares for panels for at least two years after warranty along with the panel.

3) INSPECTION:

a) The Company shall as it may deem fit depute their Engineer/ Inspector to carryout factory inspection and test the equipment when the panels are manufactured/ assembled before their dispatch, for confirmation of the technical specifications by the bidder. Travel, Accommodation and other costs of OIL's Engineers during the inspection will be borne by OIL.

b) The Company also has the right to inspect raw materials, components, accessories etc. including facility available with Contractor to carry out these jobs.

c) For all electronics components, the items should be designed/suitable for a temperature of 50ºC.

d) Manufacturer's certificates in triplicate to be submitted to OIL for all equipment/ instruments.

e) On completion of the work, tests are to be carried out before commissioning. All test certificates in triplicate should be handed over to OIL.

4) Bidder must hand over six sets of final as built drawing of each of the following: -

a) Installation details.
b) Wiring diagram of Distribution Feeder Panel.
c) Wiring drawing between the control panel and Distribution Feeder Panel.

D. **INSTALLATION, COMMISSIONING, TESTING AND HANDING OVER OF 15 NOS X 25 KVA D.G. SETS IN THE STATES OF ASSAM, WEST BENGAL & BIHAR**:

Installation and Commissioning of the Generating set, Control panels & Distribution Feeder Panels shall be carried out by the supplier in the presence of OIL representatives at its Repeater Stations located in three different states of Assam, Bengal & Bihar. Services of qualified and competent personnel from equipment vendor are essential during installation and commissioning of the generating sets.

Persons engaged for installation, testing and commissioning of alternator, control panel & Distribution Panels should have valid electrical license issued by State Licensing Board. A person who is authorized for supervision of all electrical works should have valid supervisory license.

Installation, Testing & commissioning includes site preparation and modification of the whole system comprising 15 (fifteen) units of Gen Sets with its control panels and 15(fifteen) nos. of Distribution feeder panel with auto changeover & manual changeover facility in 15 nos. of Repeater Stations located in different locations as per attached list herewith.

One (1) unit of Gen set out of existing 3 units with its Control Panel & One no. Distribution feeder Panel has to be dismantled before installation & commissioning of new set and a Temporary Distribution panel has to be placed for un-interrupted power supply during commissioning period. All related materials, cables, consumables & dismantling of old sets and corresponding distribution panel are in the scope of Supplier.

OIL will provide necessary permits for welding and cutting jobs in hazardous areas as and when required. **Bidders should also confirm about installation/ commissioning program in the Technical Bid.**

The supplier should divide the work in three groups for installation, commissioning & testing of the Gen Sets with its panels. The Three Group Should work simultaneously in three different locations, so that the duration of installation & commissioning period can be minimized.

Bidder shall arrange for to & fro travel to the installation sites (Designated Repeater Stations), local conveyance and boarding & lodging of the commissioning engineers during the installation. All charges shall be borne by the bidder and should be quoted accordingly separately which shall be inclusive of GST and all other taxes including Income Tax/Corporate Tax/ Personal Tax to be deducted at source.

INSTALLATION, TESTING AND COMMISSIONING AT SITE FOR: -

1) GENERATING SET-

As per standard practice, bidder must make at least two number of neutral earthing connections from the alternator neutral terminal to the existing neutral earthing system. Also, bidder must make at least two numbers of alternator frame earthing connections to the existing frame earthing system. Supply of material (necessary size of GI earthing strips, lugs etc.), labour and all associated civil jobs for earthing work will be in bidder's scope.

2) GENERATOR CONTROL PANEL -

a) All civil works including supply of materials and labour in connection with installation, testing and commissioning work have to be carried out by the supplier.

b) The panels shall be earthed as per standard practice. Bidder must make at least two numbers of frame earthing connections from the panel body to existing frame earthing system. All doors shall have earthing with main frame through copper braided wires. Supply of necessary earthing material, labour and all associated civil jobs for earthing work will be in bidder's scope.

c) Disconnection of power and control cables of existing control panel has to be carried out by bidder.

d) Removal, dismantling and thereafter transportation of existing control panel outside the generator house and placement under GI sheet has to be carried out by bidder.

e) Transportation and placement of new control panel inside generator house has to be carried out by bidder. Necessary grouting work of panel to be done by bidder.

f) Connection of existing and new power and control cables in the new control panel including necessary glanding, lugging and terminations have to be carried out by the bidder. Supply of requisite cable lugs and cable glands shall be in bidder's scope.

g) Necessary breaking of floor for laying of control and power cables and then repairing and restoring to original condition will be in bidder's scope.

3) DISTRIBUTION PANEL –

a) All civil works including supply of materials and labour in connection with installation, testing and commissioning will have to be carried out by the supplier.

b) The panels shall be earthed as per standard practice. Bidder must make at least two numbers of frame earthing connections from the panel body to existing frame earthing system. All doors shall have earthing with main frame through copper braided wires. Supply of necessary material, labour and all associated civil jobs for earthing work will be in bidder's scope.

c) Disconnection of power and control cables of existing panel has to be carried out by bidder.

d) Removal, dismantling and thereafter transportation of existing panel outside the generator house and placement under GI sheet has to be carried out by bidder.

e) Transportation and placement of new distribution panel inside generator house has to be carried out by bidder. Necessary grouting work of panel to be done by bidder.

f) Connection of existing and new power and control cables in the new distribution panel including necessary glanding, lugging and terminations have to be carried out by the bidder.Supply of requisite cable lugs and cable glands will be in bidder's scope.

g) Necessary breaking of floor for laying of control and power cables and then repairing and restoring to original condition will be in bidder's scope.

Notes:

a) Once commissioned at designated site the generating set will be subjected to a trial run (reliability run) on available load for a minimum period of 48 hrs. continuously and on satisfactory performance shall be subsequently handed over to OIL.

b) Vendor will give 14 days advance notice to OIL prior to installation of the Gen. Set.

c) OIL will do necessary arrangement to bring back all dismantled items like old D.G. Set, Control panel & Distribution panel from each site to a proper storage location as needed.

ANNEXURE – BB

BID REJECTION CRITERIA/ BID EVALUATION CRITERIA

I. BID REJECTION CRITERIA (BRC):

The bids must conform to the specifications, terms and conditions given in the tender document. Bids shall be rejected in case the items offered do not conform to the required minimum/ maximum parameters stipulated in the technical specifications and to the respective international /national standards wherever stipulated.

Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the offer/ offers will be considered as non-responsive and is/are liable to be rejected, if the following conditions are not fulfilled:

(A) TECHNICAL

1.0 Bidder's Qualification:

1.1 Bidder shall be an Original Equipment Manufacturer (OEM) of (a) Complete Generating set or (b) Engine
OR
Bidder shall be a 100% Subsidiary or Sister concern of Original Equipment Manufacturer (OEM) of (a) Complete Generating set or (b) Engine
OR
Bidder shall be an authorized dealer of the OEM of (a) Complete Generating set or (b) Engine
OR
Bidder shall be an OEM approved assembler of Generating set.
OR
Bidder may be an OEM authorised representative for participation and execution of the tender.

1.2 Engine and Alternator should be procured directly from OEM or OEM's 100% subsidiary or OEM's Sister concern or OEM's authorized dealer.

Note:

(i) But whatever may be their status in para 1.1 & 1.2 above, bidder will have to enclose documentary evidence along with the offer failing which offer will be rejected.

(ii) Further, in case of authorised representative, the bidder shall submit authorisation letter from the OEM for participation and execution of the tender wherein the OEM shall clearly mention that the warranty/guarantee of the Generator Sets will remain as per OEM warranty / guarantee norms.

2.0 Bidder's Experience:

2.1 The Bidder shall have a minimum experience of 1 (one) order of supplying and commissioning DG Set(s) of capacity 25 KVA or above for a total order value of Rs. 1.09 Cr in the last 5(Five)years reckoned from the original bid closing date.
OR
The Bidder shall have a minimum experience of supplying and commissioning 8(Eight) nos. of D.G. Sets of capacity 25KVA or above in the last 5(Five) years reckoned from the original bid closing date.

Documentary evidence in the form of contracts or purchase order and completion certificate from the user, must be provided along with the bid failing which offer will be rejected.

3.0 Delivery & Installation & Commissioning:

4.0 Delivery: Delivery of all the Gensets in all the sites shall be completed within 6 months from the date of issue of Purchase Order. Installation & Commissioning of all the Gensets at the respective sites shall be completed within 6 months from the date of delivery of the Gensets at respective sites.

5.0 Spares Availability:

The bidder should provide written confirmation from OEM that the spares will be available for the next 10(Ten) years.

6.0 Statutory Conformance:

The bidder must categorically confirm the following in their bid, failing which bid shall be rejected:

(a) The offered Generating Sets shall comply with the latest CPCB norms/regulations.
(b) In the event of any new CPCB norms/regulations governing Diesel Engine driven Generating Set are made effective prior to delivery of the Gen Set (but after bid closing date) the supplied Gen Set shall comply with the latest CPCB norms/ regulations.

7.0 Technical Conformance:

7.1 The Diesel Engine shall be Air Cooled, Compressor Ignition, capable of developing net minimum 32 BHP at 1500 RPM. Performance rating as per IS 10002:1981 as amended to date and maximum fuel consumption as follows:

Specific Fuel Consumption (SFC) for direct injection engine is 252 g/Kwh and for indirect injection engine is 277 g/Kwh.

7.2 The Alternator must be brushless type.

7.3 The whole Set shall be provided with acoustic enclosure.

8.0 Bidder must quote for all items in the tender, failing which bid shall be rejected.

(B) FINANCIAL:

1.0 Annual Financial Turnover of the bidder during any of preceding three financial / accounting years from the original bid closing date should be at least INR 1,09,23,954.00.

1.1 **Net worth** of bidder must be positive for preceding financial/ accounting year.

2.0 Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that the balance sheet/Financial Statements for the financial year …… (*as the case may be*) has actually not been audited so far.

Notes:

a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid: -

i) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in ANNEXURE EE

OR

ii) Audited Balance Sheet along with Profit & Loss account.

b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

(C) COMMERCIAL

1.0 Bids are invited under **SINGLE STAGE TWO BID SYSTEM**. Bidders shall quote accordingly. Bidder should ensure that TECHNO-COMMERCIAL UNPRICED BID should contain details as mentioned in the technical specifications as well as BEC/BRC and upload the same in the Technical RFx Response-> User - > Technical Bid. **No price should be given in above Technical Rfx otherwise the offer will be rejected**.

2.0 **Bid security of INR 4,36,960.00 shall be furnished as a part of the bid.** Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration. For exemption for submission of Bid Security, please refer Clause No. 8.8 of General Terms & Conditions for National Tenders (National Competitive Bidding), Booklet No. MM/LOCAL/E-01/2005 (For E-tenders). **The Bid Security shall be valid till 16.03.2019**

3.0 Warranty shall be as per Clause no. 12.0 of Annexure – AA. Bidder to confirm acceptance of the same in their bid.

4.0 The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.

5.0 **Validity of the bid shall be minimum 120 days from the Bid Closing date. Bids with lesser validity will be rejected.**

6.0 All the Bids must be Digitally Signed using Class III digital certificate (e-commerce application) with **'Certificate Type: Organisation Certificate'** as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. **The bid signed using other than "Class 3" digital certificate, will be rejected.**

7.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Security specified above must be valid for 3(three) months beyond the Warranty period indicated in the Purchase Order/contract agreement *[Please refer General Terms & Conditions for National Tenders (National Competitive Bidding), Booklet No. MM/LOCAL/E-01/2005 (For E-tenders)]*. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.

8.0 Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

9.0 Bids containing incorrect statement will be rejected.

10.0 No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.

11.0 The following points are deemed as "non-negotiable" and offer shall be rejected straightaway without seeking clarification:

i. Validity of bid shorter than validity indicated in the tender.
ii. Original Bid Security not received within the stipulated date and time mentioned in the tender.
iii. Bid security with (a) Validity shorter than the validity indicated in tender and/or (b) Bid security amount lesser than the amount indicated in the tender.
iv. In case the bidder refuses to sign Integrity Pact.

12.0 Bidder must accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:

i. Liquidated Damages
ii. Guarantee of material
iii. Arbitration / Resolution of Dispute
iv. Force Majeure
v. Applicable Laws

13.0 **DELIVERY ADDRESS**:

Delivery shall be done at the following addresses -

Sl. No.	Name of Repeater Station	Name of Village	Mouza	Circle	District
ASSAM					
1	RS1, Maduri	Sensowanamdongia	Saloguri	Amguri	Sibsagar
2	RS2, Badulipar	Chengnigaon	Rangamati	Khumtai	Golaghat
3	RS3, Kaziranga	Gosanibargaon	Kaziranga	Bokakhat	Golaghat
4	RS4, Ghani	Ghahigaon Bhatikuri	Jagiyal	Roha	Nowgaon
5	RS5, Jagiroad	Ghunushahabi	Gova	Mayang	Morigaon
6	RS8, Dharamtul	Panigaon	Pokowa	Chamota	Nalbari
7	RS9, Barpeta Road	Jhakhalipar Town	Gobardhona	Barnagar	Barpeta
8	RS10, Pratapkhata	Pratapkhata	Kharijadolio	Dorma	Kokrajhar
WEST BENGAL					
1	RS11, Chepani	Chepani	-	Alipurduar	Jalpaiguri
2	RS12, Binaguri	Binaguri	-	Dhupguri	Jalpaiguri
3	RS13, Odlabari	Odlabari	-	Matali	Jalpaiguri
4	RS14, Kisanganj	Balichuka Pachim	-	Goalpokhora	Dinajpur
BIHAR					
1	RS15, Belgachi	Belgachi	-	Purnia	Purnia
2	RS16, Thanabipur	Jamunia	-	Bihpur	Bhagalpur
3	RS17, Khagaria	Sonawari	-	Khagaria	Bhagalpur

14.0 **PRICE SCHEDULE & EVALUATION OF OFFERS:**

Bidder shall submit the Price Break up as per Annexure DD. Bidders should fill up the annexures, sign and upload under "Notes & Attachments" > "Attachments" only. Evaluation of offers shall be done on F.O.R. Destination, Site basis.

14.1 The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria given below:

1. Total Basic Material Value
2. 2(two) years OEM recommended spares [As per 9.0 (ii) (a), (b) & (c) of Annexure - AA]
3. Pre-despatch Inspection Charges, if any
4. Packing & Forwarding Charges, if any
5. **Total Ex-works Value (1+2+3+4)**
6. GST on Total Ex-Works Value
7. Compensatory Cess, if any
8. **Total FOR Despatching Station Value (5+6+7)**
9. Freight Charges upto destination
10. GST on Freight Charges
11. Insurance Charges @0.5% of (8) inclusive of GST
12. Installation & Commissioning Charges, If any
13. GST on Installation & Commissioning Charges
14. **Total FOR Destination, Guwahati Value (8+9+10+11+12+13)**

14.2 Comparison of offers shall be done on Total Value vide Srl. No. 14 (Total FOR Destination Value).

14.3 Domestic bidders must quote inland freight charges upto Destination. In case bidder fails to quote inland freight charges, highest freight quoted by domestic bidder (considering pro-rata distance) against this tender or OIL's estimated freight, whichever is higher, shall be loaded to their offer for comparison purpose. However, OIL reserves the right to transport through its own contract carrier.

14.4 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.

14.5 Other terms and conditions of the enquiry shall be as per General Terms and Conditions for LCB Tender. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC/BRC) mentioned here contradict the Clauses in the General Terms & Conditions of LCB Tender of the tender and/or elsewhere, those mentioned in this BEC/BRC shall prevail.

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